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Case Serial Number: 10/811794

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Location: EIC 3600
KNOX/4B68
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UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

6499245

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December 31, 2002

Modular sleeve yoke

APPL-NO: 061515 (10)


FILED-DATE: February 1, 2002

GRANTED-DATE: December 31, 2002

CORE TERMS: handguard, barrel, sleeve, receiver, firearm, rear, yoke, interface, channel, nut ...

ENGLISH-ABST:

A Swan universal receiver sleeve attached to the top of a firearm upper receiver and extended forward above the firearm barrel to a position just short of the firearm front sight. The underside of the rear portion of the sleeve is fixedly attached to the receiver top. The underside of the forward portion of the sleeve has an upper handguard piece attached thereto. A bottom handguard piece is fitted about the bottom of the gun barrel and is attached to the upper handguard piece. The handguard pieces are not physically connected in any way to the gun barrel. The sleeve is self supported by the connection of the rear portion underside to the receiver top. A special yoke is inserted about the barrel nut of the firearm to which the modular sleeve is attached. The special yoke reinforces the modular sleeve while keeping the firearm barrel free floating.

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Patent Number :

US6499245 B1 20021231 [US6499245]

Title :

(B1) Modular sleeve yoke

Inventor(s) :

(B1) SWAN RICHARD E (US)

Application Nbr :

US6151502 20020201 [2002US-0061515]

Priority Details :

US6151502 20020201 [2002US-0061515]

US759001 20011210 [2001US-0007590]

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Intl Patent Class :

(B1) F41C-023/00

EPO ECLA Class :

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F41C-023/16

F41G-001/387D

US Patent Class :

ORIGINAL (O) : 042071010; CROSS-REFERENCE (X) : 042075010 042124000

Document Type :

Corresponding document

Citations :

US3939589; US5142806; US5412895; US5826363; US6453594

Publication Stage :

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

Abstract :

A Swan universal receiver sleeve attached to the top of a firearm upper receiver and extended forward above the firearm barrel to a position just short of the firearm front sight. The underside of the rear portion of the sleeve is fixedly attached to the receiver top. The underside of the forward portion of the sleeve has an upper handguard piece attached thereto. A bottom handguard piece is fitted about the bottom of the gun barrel and is attached to the upper handguard piece. The handguard pieces are not physically connected in any way to the gun barrel. The sleeve is self supported by the connection of the rear portion underside to the receiver top. A special yoke is inserted about the barrel nut of the firearm to which the modular sleeve is attached. The special yoke reinforces the modular sleeve while keeping the firearm barrel free floating.

Update Code :

2003-03

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Patent Number :

US6499245 B1 20021231 [US6499245]

Application Number :

US6151502 20020201 [2002US-0061515]

Action Taken :

20040622 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20040329

Update Code :

2004-26

1 / 1 INPADOC - @INPADOC

Patent Number :

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Title :
Modular sleeve yoke
Inventor(s) :
SWAN RICHARD E [US]
Patent Assignee (Words) :
SWAN RICHARD E [US]
Application Details :
US 61515/02-A 20020201 [2002US-0061515]
Priority Details :
US 61515/02-A 20020201 [2002US-0061515]
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US 274147/01-P 20010309 [2001US-P274147]
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F41C-023/00

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